AUTODOC CLUB

How to change handbrake shoe on **Mercedes W201** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.022), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3-16, MERCEDES-BENZ 190 (W201) E 2.3-16 (201.034), MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ 190 (W201) E 2.5-16 Evolution (201.036), MERCEDES-BENZ 190 (W201) E 2.5-16 (201.035), MERCEDES-BENZ 190 (W201) E 2.6, MERCEDES-BENZ 190 (W201) D 2.0 (201.122), MERCEDES-BENZ 190 (W201) D 2.5 (201.126), MERCEDES-BENZ 190 (W201) Turbo-D 2.5 (201.128), (+ 94)

The steps may slightly vary depending on the car design.

REPLACEMENT: HANDBRAKE SHOE – MERCEDES W201. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Drive socket # 17
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Tap wrench
- Long nose pliers
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: handbrake shoe – Mercedes W201. Professionals recommend:

- All work should be done with the engine stopped.

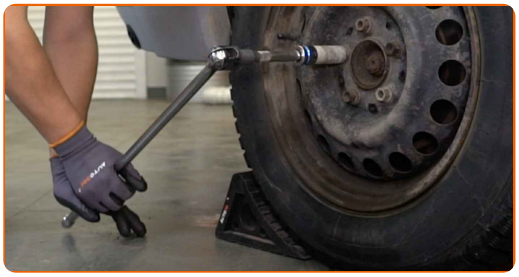
REPLACEMENT: HANDBRAKE SHOE – MERCEDES W201. TAKE THE FOLLOWING STEPS:

1 Open the bonnet.

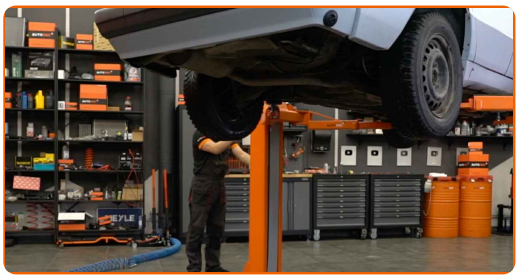
2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

4 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



5 Raise the car.



Replacement: handbrake shoe – Mercedes W201. AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

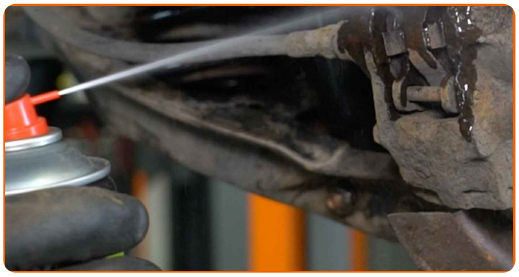
6 Unscrew the wheel bolts.

AUTODOC recommends:

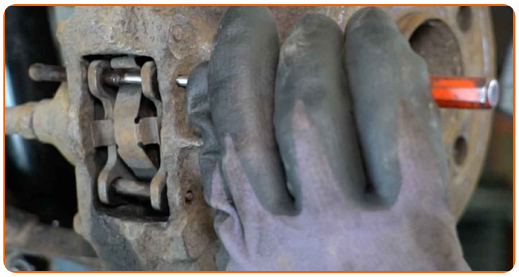
- To avoid injury, hold up the wheel when unscrewing the bolts.

7 Remove the wheel.

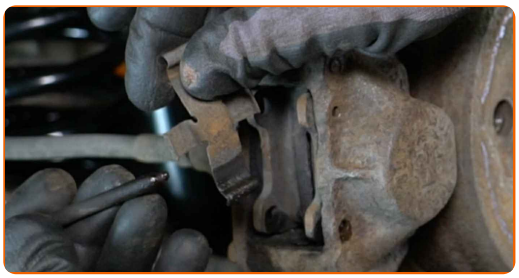
8 Clean the brake pad guide pins. Use a wire brush. Use all-purpose cleaning spray.



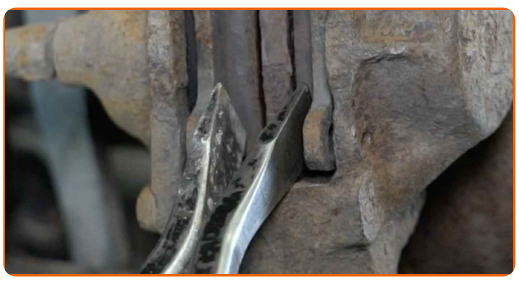
9 Remove the brake pad guide pins. Use a pin punch. Use a hammer.



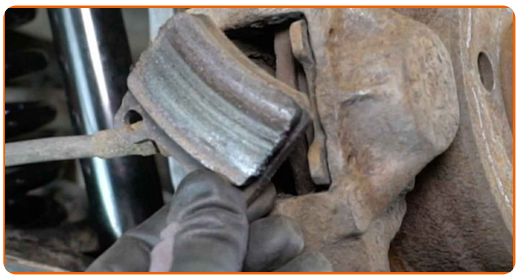
10 Remove the retaining spring of the brake pads.



11 Spread the brake pads. Use a crowbar (2 pieces).

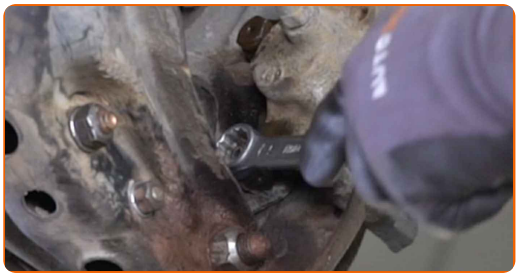


12 Remove the brake pads.

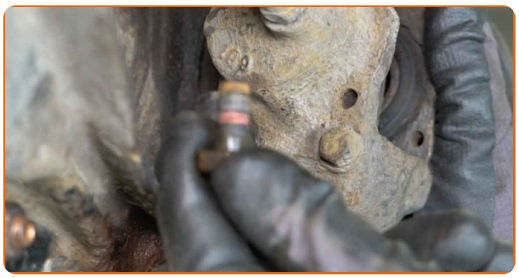


13 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

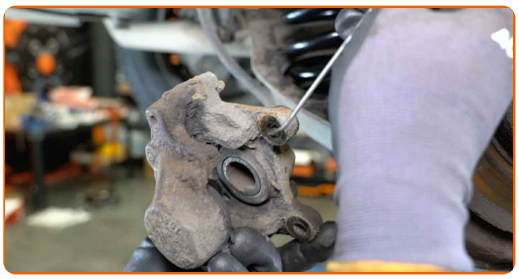
14 Unscrew the brake caliper fasteners. Use a combination spanner #17.



15 Remove the fastening bolts.



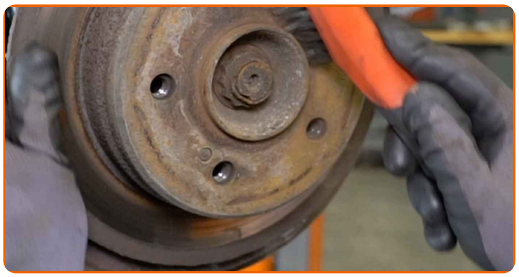
16 Remove the brake caliper.



Replacement: handbrake shoe – Mercedes W201. AUTODOC experts recommend:

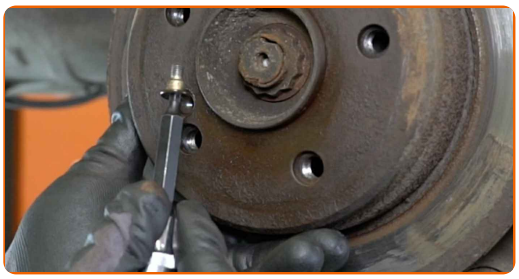
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

17 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



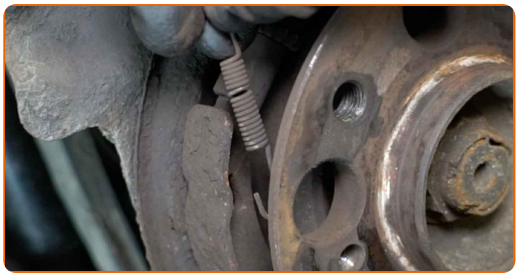
18 Unscrew the brake disc fasteners. Use HEX No.H5. Use a ratchet wrench.

19 Remove the fastening bolt.

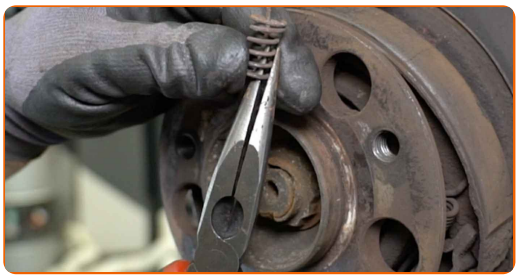


20 Remove the brake disc.

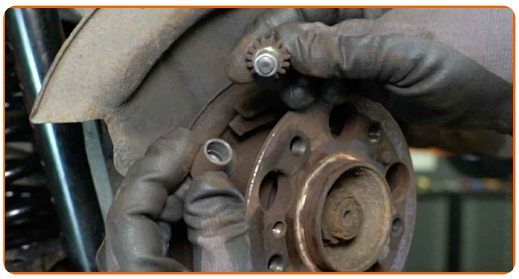
21 Remove the upper brake shoe return spring. Use a crowbar.



22 Remove the hold-down springs of the parking brake shoes. Use long nose pliers.



23 Remove the parking brake adjuster.

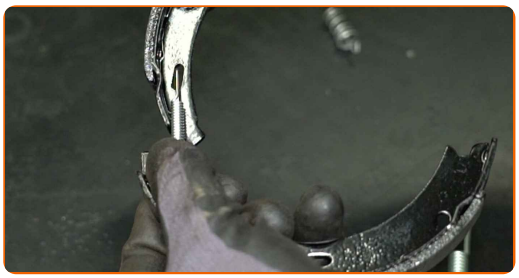


24 Remove the lower brake shoe return spring. Use a flat screwdriver.

25 Remove the parking brake shoes.

26 Clean the mounting seats of the parking brake shoes. Use a wire brush. Use all-purpose cleaning spray.

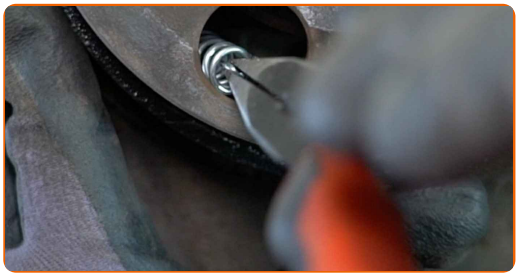
27 Install the upper brake shoe return spring.



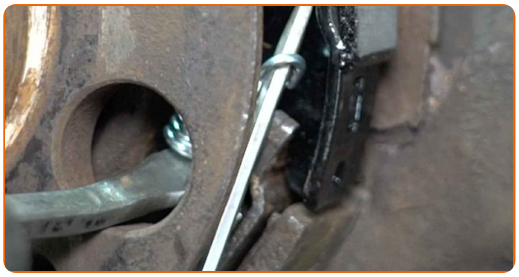
28 Install the parking brake adjuster.

29 Install new parking brake shoes.

30 Install the hold-down springs of the parking brake shoes. Use long nose pliers.



31 Install the lower return spring. Use a flat screwdriver.



32 Clean the wheel hub. Use a wire brush.

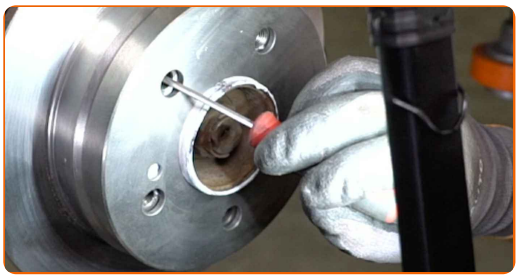
33 Treat the contacting surface. Use ceramic grease.

34 Install the brake disc.

35 Install the fastening bolt.

36 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.

37 Set the parking brake adjuster in the correct position. Use a flat screwdriver.

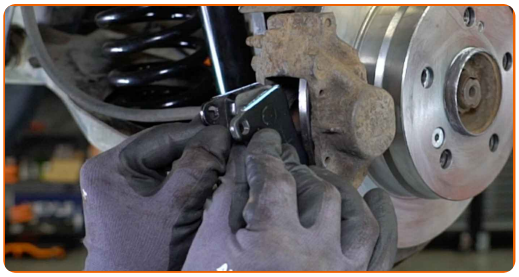


38 Install the brake caliper and fasten it.

39 Install the fastening bolts.

40 Tighten the brake caliper fasteners. Use a drive socket #17. Use a torque wrench. Tighten it to 65 Nm torque.

41 Install the brake pads.



42 Install the retaining spring of the brake pads.

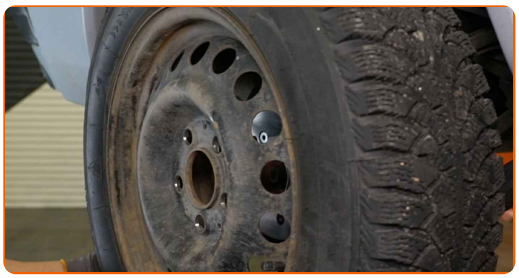
43 Install the brake pad guide pins. Use a pin punch. Use a hammer.

44 Clean the wheel rim mounting seat. Use a wire brush.

45 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

46 Clean the brake disk surface. Use a brake cleaner.

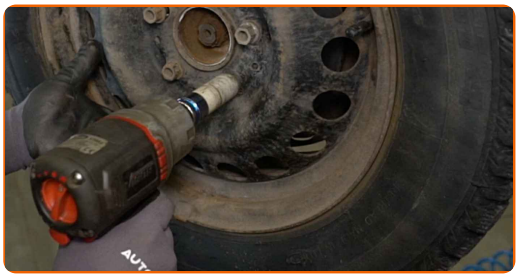
47 Install the wheel.



AUTODOC recommends:

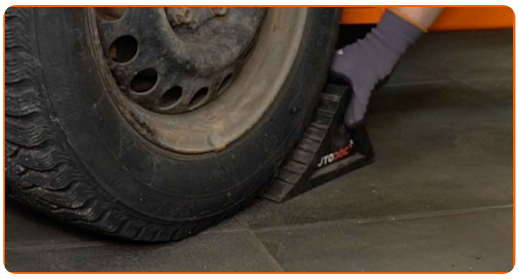
- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W201

48 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



49 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

50 Remove the jacks and chocks.



Replacement: handbrake shoe – Mercedes W201. Tip from AUTODOC:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and top up if necessary.

51 Tighten the brake fluid reservoir cap.

52 Close the bonnet.

WELL DONE!

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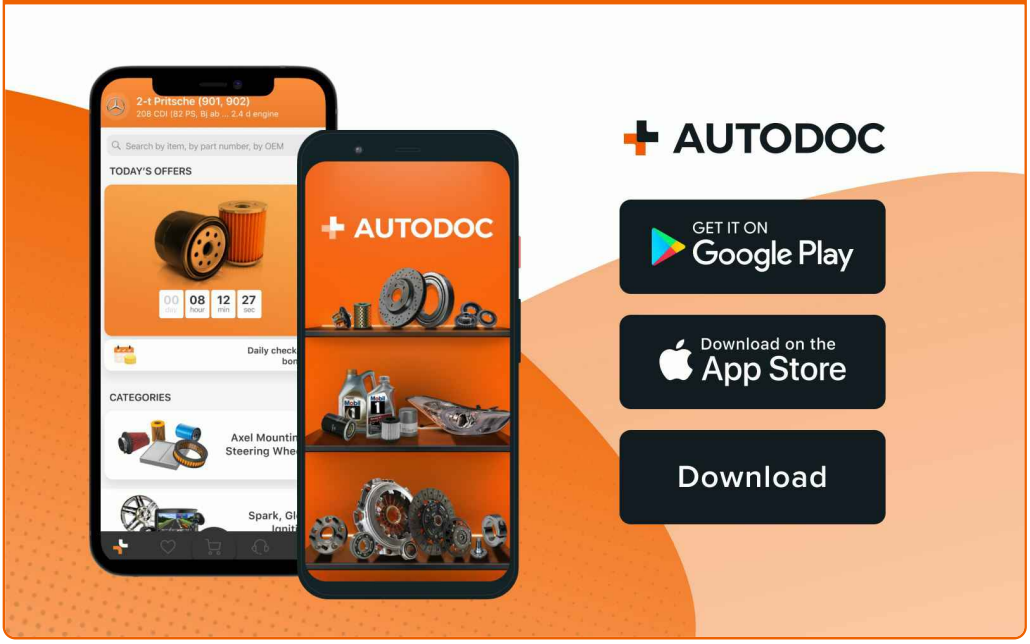

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